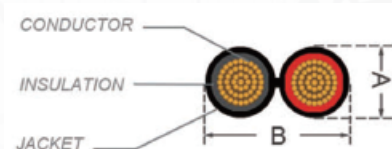
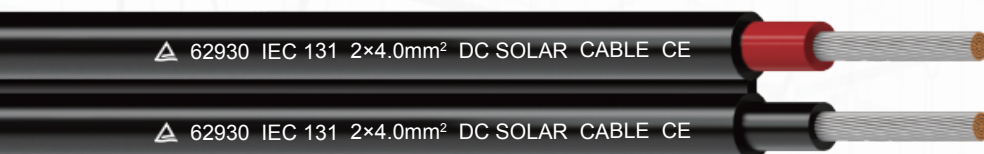


IEC 62930 CERTIFICATED DC SOLAR CABLE TWIN CORES DC 1.5KV



Advantages

- ◆ E-beam cross-linked compounds
- ◆ High resistance against UV, ozone and hydrolyzation
- ◆ High temperature resistance, materials will not melt or flow
- ◆ Flexibility under cold conditions
- ◆ Long usable life, expected usable life over 25 years (90°C)
- ◆ Applicable to all common connectors

Application

In a solar power system of rated voltage $U_0=1.5KV$, PV cables are used to connect between solar panels and inverters.

Construction

- ◆ Conductor : Soft tinned annealed copper according to IEC 60228, class 5
- ◆ Insulation : XLPE, flame retardant, halogen free, E-Beam cross-linked compounds
- ◆ Jacket : XLPE, flame retardant, halogen free, E-Beam cross-linked compounds, UV and ozone resistant, black / white marking
- ◆ Jacket color : All the chromatographic

Electrical performance

- ◆ Rated Voltage : $U_0=1.5kV$ DC
- ◆ Test Voltage : 6.5KV AC 5min

Thermal performance

- ◆ Operation temperature : $-40^{\circ}C \sim +120^{\circ}C$
- ◆ Ambient temperature : $-40^{\circ}C \sim +90^{\circ}C$
- ◆ Maximum short circuit temperature : $250^{\circ}C$, $+536^{\circ}F$, 5s

Bending radius

- ◆ Fixed setting : $>4 \times \varnothing$
- ◆ Moves on occasion : $>5 \times \varnothing$

Material characteristics / standard

- ◆ Fireproof performance : EN 60332-1-2
- ◆ Smoke emission : EN 61034-1; EN 61034-2
- ◆ Low fire load : DIN 51900
- ◆ Approval : IEC 62930
- ◆ Applied standard: IEC 62930

Order number	Conductor $n \times mm^2$	Jacket color	Construction mm	Outer Dia mm		Conductor resistance max.mΩ/m	Current A
				A	B		
FRENT04	2×4.0	B/R	56//0.28	5.5±0.3	12.5±0.3	8.21	41
FRENT06	2×6.0	B/R	84//0.28	6.0±0.3	13.5±0.3	5.09	55